

## Special Issue

# New Horizons in Ceramic Processing and Manufacturing: Celebrating the Institute for Manufacturing Technologies of Ceramic Components and Composites of the University of Stuttgart

### Message from the Guest Editor

The Institute for Manufacturing Technologies of Ceramic Components and Composites (part of the mechanical engineering faculty of University of Stuttgart) is celebrating its continuity under new leadership. Simultaneously, we would like to honour former managing director Prof. Rainer Gadow, who provided more than 25 years of service from the foundation of the institute in 1995 until his retirement in 2021. He initially primarily focused activities on surface technology and composite materials, which fitted well into the industrial landscape of Stuttgart. Later on, he began new projects in advanced structural ceramics, bioceramics and additive manufacturing. Since September 2023, Prof. Wolfgang Rheinheimer has become managing director and will extend the focus of our institution into new research fields such as functional ceramics, microstructure–property relationships, and advanced sintering technologies aiming at applications in energy technology. We invite you to propose short communications, full papers, or reviews corresponding to this Special Issue.

---

### Guest Editor

Prof. Dr. Frank Kern

Institute for Manufacturing Technologies of Ceramic Components and Composites (IFKB), University of Stuttgart, 70569 Stuttgart, Germany

---

### Deadline for manuscript submissions

closed (31 July 2025)



## Ceramics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.0  
CiteScore 3.7



[mdpi.com/si/193277](https://mdpi.com/si/193277)

*Ceramics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ceramics@mdpi.com](mailto:ceramics@mdpi.com)

[mdpi.com/journal/  
ceramics](https://mdpi.com/journal/ceramics)





# Ceramics

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.0  
CiteScore 3.7



[mdpi.com/journal/  
ceramics](https://mdpi.com/journal/ceramics)



## About the Journal

### Message from the Editor-in-Chief

*Ceramics* (ISSN 2571-6131), an international, open access journal, provides an advanced forum for ceramics science and engineering. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We are committed to drive *Ceramics* to a position in which it is recognized for its high-quality, cutting-edge research and scientific influence, and strongly encourage and invite your participation and manuscripts. Your contribution should lead to the development of technical ceramics with better performances and to improve our quality of life.

---

### Editor-in-Chief

Prof. Dr. Gilbert Fantozzi

INSA-Lyon, MATEIS Laboratory UMR CNRS 5510, 69621 Villeurbanne, France

---

### Author Benefits

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), and other databases.

#### Journal Rank:

JCR - Q2 (Materials Science, Ceramics) / CiteScore - Q2 (Materials Science (miscellaneous))

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.4 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).